



BENCHMARK LIST  
October 2012



BENCHMARK NUMBER	NAVD 1988 DATUM	LOCATION AND DESCRIPTION
1	4981.14	S.W. corner of 4 <sup>th</sup> & Kimbark @ city of Longmont Development Services Center bldg. @ N. entrance on W. end of bottom Step. ( USGS JR 61 )
4	4989.84	N.E. corner of 9 <sup>th</sup> & Collyer at back of walk at P.O.C., 16' W. of signal pole.
5*	4997.72	N.W. corner of 11 <sup>th</sup> & Main in walk-16' S. of MH and 10' E. of light pole
8	5027.69	S.W. corner of 15 <sup>th</sup> & Bross at back of walk at west P.C.
9	5028.66	S.E. corner of 15 <sup>th</sup> & Bowen at back of walk at east P.C.
10	5014.44	N.E. corner of Mt. View & Lincoln at back of walk at east P.C.
11	5005.52	N.W. corner of 12 <sup>th</sup> & Grant in sidewalk at north P.C.
15	5033.55	S.W. corner of 9 <sup>th</sup> & Sumner at back of walk at 6' of south of S.P.C.
17	5067.62	S.W. corner of Sunset & Sunset Circle, N. entrance, at back of walk at south P.C.
18	5077.94	S.W. corner of Longs Peak at Sunset at back of walk at south P.C.
20	5051.65	N.E. corner of 3 <sup>rd</sup> & Sunset at back of walk at 19' north of Fl of 3rd ave.
21	5036.30	N.E. corner at 3 <sup>rd</sup> & Vivian at back of curb, at CB
24	5028.62	N.W. corner of 3 <sup>rd</sup> & Bowen at back of curb, 3' west of C.B.
26	5002.57	N.E. corner of 4 <sup>th</sup> & Pratt at back of curb, 3' N. of N. edge of walk.
28	5034.38	N.E. corner of 3 <sup>rd</sup> & Grant at north P.C. in top of curb
29	4985.72	S.E. corner of 9 <sup>th</sup> and Martin at 1' back of curb at east P.C. @ 45' E. of CL Martin st.
30*	4995.25	S.W. corner of 9 <sup>th</sup> & Main on top of curb at type R inlet.
37	5017.74	N.E. corner of Mt. View & Gay at back of walk at north P.C.
38	5003.06	N.E. corner of 11 <sup>th</sup> & Aspen at back of walk at east P.C.
43	4978.09	S.W. corner of Lashley and Marshall pl. at back of walk at 8' W. of stop sign
46*	4973.68	N.W. corner of Lashley & Reed at back of walk at north P.C.
50	5022.97	S.E. corner of 19 <sup>th</sup> & Collyer at back of walk 2.5' south of south P.C.
52	5022.92	S.E. corner of 3 <sup>rd</sup> & Arapahoe at 4.5' south of south FL and 3' East of East P.C.
53	5045.07	N.W. corner of Clover Basin dr. & Grandview Meadows dr. on S. corner of irrigation structure on Clover Basin ditch @ 15.4' N.W. of FH & 17.3' W. of W. FL of Grandview Meadows dr.
54	4899.65	E. corner of irrigation structure @ +/- 45' W. of Sandstone Ranch visitors center & 55' S. of two bay garage
57*	4951.76	NW cor. 1 <sup>st</sup> . & Main on E. end of bottom steps of old city power plant bldg. north of R.R. tracks. In PVC tube with screw on top.
60	4951.90	N.E. corner of S. Pratt Parkway & Delaware at back of curb in sidewalk at east P.C.
61	4964.75	N.E. corner of Pratt & Jersey at back of walk at north P.C.
62	4957.18	W. side of Main st. @ Jersey ave. at back of curb @ east end of median
64	5078.81	S.E. corner of Mt. View & Fordham at back of walk at east P.C.
68	5020.02	N.E. corner of 17 <sup>th</sup> & Centennial at back of walk at north P.C.
74	5037.54	N.W. corner of 11 <sup>th</sup> & Frontier at back of walk at west P.C.

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77	4959.61	S.W. corner of James & Grand at 12' NW of fire hydrant at back of walk
78	4969.46	N.W. corner of Bowen & Iowa at 14' south of fire hydrant at back of pan at W. P.C.
79	5003.59	S.E. corner of Longs Peak & Bowen at back of curb at south P.C.
83	5051.08	S.W. corner of 16 <sup>th</sup> & Spencer at back of walk at west P.C.
85	5088.67	N.W. corner of Northwestern & Harvard at back of walk at 5' west of P.C. and 18' west of hydrant
86	5069.57	N.W. corner of Mt View & Purdue Ct. at back of walk at west P.C.(cut arrow)
185		W. side Deerwood dr.+ /- 330' N. of the C.L Mt.View @ back of walk on S.W. corner of 6' type R inlet across from Stephen Day park
89	5016.85	15 <sup>th</sup> & Lamplighter in range box at intersection of centerlines
93	4962.46	N.W. corner of 1 <sup>st</sup> & Bowen at back of walk at north P.C. at 4' south of 2' walk
94	4966.18	N.E. corner of 1 <sup>st</sup> & Sherman Ct. at back of walk at east P.C.
96*	5050.18	S.W. corner of Gay & Hwy 66 at ±67' south of center line of Hwy 66 and 1.1' west of back of walk and ±8' south of fire hydrant
101*	5096.85	S.E. corner of Hover & Hwy 66, cut square on S.E. end of concrete irrigation headwall
108	4979.12	S.W. corner of Pike & Main @ W. P.C. in S.W. corner 6' type R inlet in C.L. 8' bike path 4' W. of M.H.
109	5052.72	Rough & Ready Ditch & RR tracks N. of 21 <sup>st</sup> . Ave. on east side of tracks @ 0.5' N. of North headwall. Of ditch @ E of W. end structure.
110	5086.56	45' south of water tank of Skyline High School (See book 199 p.79 for reference marks)
113*	5065.18	Piece of R.R. track buried on end w/"X" on top at N.W. corner of R.R. & Hwy 66 – 4'N. of fence corner & 2' E. of fence corner and 33.5' W. of CL R.R. tracks
117*	5044.80	Top of bolt w/cut "□" on irrigation structure at W. Side at Rough & Ready Ditch, 185' S. of Mt. View, 21.5' E. of fence, and ±500' W. of Pace
118*	5032.77	21 <sup>st</sup> & Oligarchy @ Main st.#5 rebar glued in concrete headwall at N.E. corner of bridge
120	5004.74	S.W. corner of Mt View & Main St. in N.E. corner type "R" inlet
122*	5074.78	In S. end headwall @ S.W. corner of bridge at Hover Rd. & Oligarchy ditch
123*	5072.50	N.W. corner 17 <sup>th</sup> .Ave & Hover St. in S.E. corner signal pole base (reset)
125*	5032.92	In outlet structure at detention pond at N.W. corner of 9 <sup>th</sup> & Hover ±80' N. of CL 9 <sup>th</sup> ±0.1 mile W. of Hover
126*	4976.63	#5 rebar glued in N.W. corner of concrete inlet structure. at 100' E. of the E. FL of Hover and .35 mile N. of Nelson Rd. near Boulder County fair grounds
127*	5083.98	N side 17 <sup>th</sup> . Ave. 715' E. of CL of Harvard St.- N of CB @ N.W. corner of area inlet 12.5' N. of N. FL of 17 <sup>th</sup>

128	5104.75	North side 17 <sup>th</sup> .Ave.7.0'N. of N. FL of 17 <sup>th</sup> and 166'W. of CL of Denver Way
<b>BENCHMARK NUMBER</b>	<b>NAVD1988 DATUM</b>	<b>LOCATION AND DESCRIPTION</b>
130*	4989.49	N.W. corner of 3 <sup>rd</sup> Ave. & Pace, in lower and westerly headwall of Oligarchy Ditch ±105' W. of CL of Pace (lower cap) R.O.W. marker
131	4991.95	N.E. corner Nelson and Hover in SW corner of irrigation structure.
133	4968.89	S.E. corner of Boston & St. Vrain River in walk on bridge
134	5047.27	N.E. corner of Mt View and Hover @ S.E. corner of Type "R" inlet
135	5017.36	Airport rd. and Dry Creek bridge in S.W. wing wall at 5' W. of W. headwall
136	4989.54	W. side Weld County Rd#1 N .of 17 <sup>th</sup> ave., chiseled square on S.E. side of transmission pole base (Pole #102)
138	4988.60	West side Weld County Rd #1 at 0.4 miles S. of 17 <sup>th</sup> Ave., cut "+" in E. Bolt of transmission pole #105
139	4959.02	South end of Union Res. On West side boat ramp brass cap #28
140	4997.37	West side Weld County Road #1 at 20' North of East ¼ corner Sec. 25, T.3N., R.69W cut "+" on E. Bolt transmission pole #98 @ transmission line intersect
141	5048.33	21 <sup>st</sup> Ave. and Oligarchy bridge #5 rebar in West end of N. headwall @ N. Side Garden Acres Park
142	5067.86	SE. corner 21 <sup>st</sup> Ave. & Hover 49' S. of S. FL of 21 <sup>st</sup> .ave. in top of curb on S.W. corner type R CB
143	5073.20	N.E. corner 17 <sup>th</sup> and Airport at back of walk at MPOC
144	5034.17	Intersection of 21 <sup>st</sup> and Gay Street #5 rebar on the N.E. corner of Oligarchy bridge in high part of wing wall
145	5042.37	Intersection of 21 <sup>st</sup> and Francis in top center of E. headwall of Oligarchy bridge
146	5024.39	S.E. corner of Airport Rd. and Nelson Rd. #5 rebar in top S. end irrigation structure (buried in landscaping) reference mark cut square in C/L, W. side irr. Box @ 4.8 N. of BM (elev. = 5024.31)
147	5038.28	SW corner of Mt View Ave.& Airport Rd. on Top of NE bolt on signal pole base (under cap)
148	5029.26	St Vrain bridge & Airport Rd. in CL walk @ SE corner of bridge
149	5026.82	SW corner of St Vrain Rd. & Airport Rd. @ +/-108' S. of S. FL of St Vrain Rd. in top E. side of irr. structure
150	5015.96	S. side Nelson Rd ± 60' W. of the C.L. Schlagel St. in N.W. corner of type R inlet
151	5006.32	Cut "+" in top bolt NW corner transmission pole base @ SE corner Nelson Rd & Fordham St on pole #15
152	4987.49	W. side Weld County Rd #1 at intersection of road #28, cut □ square in E. Side base of transmission pole #100

153	4975.91	W. Side Weld County Rd. #1 at 150' south of RR tracks and 85' west of CL Weld County Road #1, cut square in S.E. end of S.E. wing wall of Oligarchy Ditch irrigation structure
156	5024.72	Hwy 119 bridge over RR tracks on east end of north headwall. CDH cap
157	5164.76	±77' N of CL Hwy 66 & ±69' E of CL of N. 75 <sup>th</sup> & 2' W of P.P. (Damaged)
<b>BENCHMARK NUMBER</b>	<b>NAVD1988 DATUM</b>	<b>LOCATION AND DESCRIPTION</b>
158	5100.21	USGS BM 5100 , 25' S. Of CL 17 <sup>th</sup> Ave. & 30' E. of CL of N. 75 <sup>th</sup> @ S.E. corner of intersection, in the town of Hygiene. In water valve box.
159	5080.46	42' S. of CL St Vrain Rd. & 73' E. of CL of N. 75 <sup>th</sup> @ 1.5' N. of fence.
161*	4997.18	Dedication cap @ E. side Hover Rd. on top center E.head wall Left-hand Creek bridge, W. side 10' bike path 62' S. of Boulder County cap
162	5065.20	36' W. of CL of Disk drive & 80' N. of CL of Nelson Rd. In headwall of outlet for pond.
163	5042.23	30' S. of CL of Nelson Rd. & 200' W. of W. access to Amgen & 0.25 mile W. of Airport Rd. In N. side of headwall of Peck ditch structure.
164	5054.15	33' E. of CL Airport & 100' S. of Pike Rd. & 1.5' E. of E. FL on Airport Rd. between walk and curb
166	5011.47	N. side Hwy 66 @ 1.25' S. of fence @ 95' N of CL of Hwy 66 & 600' W. of CL of County Line Rd #1 and +/- 250' E. of entrance to 12621 Hwy 66
167	5016.38	N.E. corner of 17 <sup>th</sup> . & Pace @ 9 ft. S. of N. P.C. between 8ft. walk & cobblestone.
169	5007.80	E. side Alpine st. & oligarchy ditch on top curb @ CL C.B.
170	5019.80	W. side Hover rd S. of Hwy 119 @ James ditch # 4 rebar in S.E. end headwall 15' W. of the W. FL Hover rd. & 72' N. of the N. edge of R.R. track along back of walk
173	4973.19	NW corner of N 105th St and Plateau Rd @ South corner headwall of drainage structure
174	4994.18	N. side 17 th. Ave W. of Ute Creek dr. @ Spring gulch bridge on NW cor of headwall
175	5067.81	N. side Clover Basin dr. @ 42' W. of Dry creek #1 bridge & 295' E. of CL of N.75 <sup>th</sup> . in back center 10' type R inlet
176	4945.93	Ken Pratt blvd.bypass & Lefthand creek bridge on top of W. retaining wall
177	4935.74	Ken Pratt blvd bypass & St. Vrain river bridge on top of E. retaining wall
178	4972.31	NW. corner of Hwy. 119 & county line rd. in top of SE. bolt of signal pole base.
179	4940.86	SE corner Hwy. 119 & Zlaten Dr @ 100' S. of CL of Hwy.119 & 75' E of CL of Zlaten Dr., cap in SE. corner of irr. Structure.
180	4938.65	Martin st. @ 450' S. of 1 <sup>st</sup> . Ave & 55' E. of CL Martin st. In center. of & N. end of concrete sanitary sewer vault. ( Martin st. storage North entrance )
181	4927.01	SW. corner of Hwy. 119 & E. sandstone ranch entrance (Sandstone Dr.) @ +/- 300' S. of CL Hwy. 119 & +/- 130' W. of CL Sandstone Dr. cap in top E. headwall of drainage structure.

182	5007.77	E. side Francis St. @ +/- 295' N of the C.L. of 12 <sup>th</sup> . Ave @ back of walk
183	5054.46	N.W. quadrant of intersection of Pike Rd. & Renaissance Dr. @ E. edge of 8' walk. 1' N. of N. edge of handicap ramp
184	5047.60	NE cor. 17 <sup>th</sup> & Alpine on top cor. head wall of outlet structure @ SE cor. Detention pond.
<b>BENCHMARK NUMBER</b>	<b>NAVD1988 DATUM</b>	<b>LOCATION AND DESCRIPTION</b>
185	4989.19	W. side Deerwood Dr. +/-350' N. of CL Mt View Ave. in SW. cor. Of 15' type "R" inlet, w. of Stephen Day park.
186	5033.25	W. of pace (+/- ½ mi) on SSW point on base of transmission pole (pole #4) @ "T" intersection of 8' bike paths.
187*	5018.85	W. side Pace St. ½ mi. S of Hwy 66 on top center Spring Gulch bridge head wall, +/- 71 from CL transmission pole #8
188	5027.86	Cut "+" on top of bolt in Southerly bolt group of transmission pole #12, 4 <sup>th</sup> pole E. of pace (+/- ½ mi E. of Pace St. and ½ mi. S. of hwy 66)
189	5007.44	SE cor. Fordham St. & Clover Basin Dr., in NE cor. 5' type "R" inlet 5' S. of S. PC.
190	5006.32	SE. cor. Fordham St. & Nelson Rd. cut "+" in top of N. bolt in N Westerly bolt pair of transmission pole #15.
191	5092.73	S. side Horizon Parkway @ intersection of Harvard St in top center of head wall of pipe outlet on Longmont supply ditch
192	4974.92	N side Pike Rd. @ Left-hand Creek in top center N. head wall of bridge
193	4980.65	Cut square @ W. side S. Sunset St. @ Left-hand Creek bridge in top center of W. head wall
194	5101.68	W. side N 95 <sup>th</sup> and Rough & Ready Ditch, Cut square on S.W. corner headwall of bridge, +/- 1.5 miles N. of Ute Hwy. 66
195	4969.43	E. side of Weld County Rd #1 @ 9 <sup>th</sup> . Ave In top N.W. portion irrigation structure. 2.0' S. of intersection of wing wall & W. structure wall, & 17.0 N.W. of dedication cap. ( dedication cap @ 1.0' W. of gate hoist in top S. wall structure )
201*	5054.89	N.E. corner of Pace & Winslow Cr. At back of walk at N. PC
202	4954.45	N.W. corner of Martin & Pike at 34' west of FL, 8' south of PP
301	5013.36	E. side of Sunset at Burlington Cemetery, 13' north of pedestrian entrance @ main gate at back of walk and 21' S. of light pole
302	4966.05	S.E. cor. of Boston & Sunset 61'E. Of CL of Sunset and 50.5' S.E. of PP and 67.5' S of CL of Boston on top of irrigation ditch wall @ MPOC on W. side.
312	5014.05	N. side of Rogers Rd. at ±0.45 mile E. of Airport Rd. cut square in concrete irrigation box at east side South Flat ditch at gate at ±50' N. of Rogers Rd.
400	5012.42	@ 525' E. of the intersection of 9 <sup>th</sup> & the R.R. tracks and 125' N. of 9 <sup>th</sup> , on the N corner of a CB in Twin Peaks Golf Course
401*	4991.17	Hover and St. Vrain River at end of S.W. wing wall on bridge cut "+" ( next to cap )
402*	4990.97	S.E. corner of Hover & Dry Creek at S.E. corner of concrete box on headwall

		at Twin Peaks Mall
408	5012.81	N. side Mt. View @ Oligarchy ditch @ back of walk
412	4964.54	N.W. corner of Bowen & Ken Pratt Blvd. at top of curb at M.P.O.C.
CDH 1*	4953.70	Main St. & St. Vrain River at W. Side of street @ N. end of bridge, in walk.
CDH 2*	4992.78	N.W. corner of Oligarchy Ditch & 3 <sup>rd</sup> Ave. on N. headwall ±75' W. of CL of Pace (upper cap)
<b>BENCHMARK NUMBER</b>	<b>NAVD 1988 DATUM</b>	<b>LOCATION AND DESCRIPTION</b>
F-030*	5063.93	N. side of Hwy 66 at N. ¼ corner of Section 28 (CDH R.O.W. marker) at fence corner. 1/2 mile east of hover rd. 50' W. of the S.W. corner house, +/- 6' E. of P.P.
G1*	5037.97	N.E. corner of Ute Hwy 66 and Pace St. (N.119 <sup>th</sup> ), 32.8'S of fence, 25'E. Of CL of field entrance Rd, 73'N. of CL of Ute Hwy, and 19.5' N. of sig. pole
G3*	5123.08	Ute Hwy (66) 48.5 W. of CL of N. 87 <sup>th</sup> (Airport Rd), 108'N of CL of Ute Hwy, 25.3' N.W. of PP, 58' N. of N. end of 30" culvert, 10.8' S.E. of fence
G5*	4998.89	S.E. corner of 9 <sup>th</sup> & Bowen St., 21.4' N.W. of corner of house, 72.7' S. of N. FL of 9 <sup>th</sup> Ave. and 75.5' E. of FH, and 0.8 back of walk.
G6*	5066.04	S.E. corner of 9 <sup>th</sup> & Pace, 36'E. of CL of Pace, 100' S. of CL of 9 <sup>th</sup> Ave. and 7' W. of fence
G8*	4975.79	S. Bowen @ S.E. corner Service Center, 14.8' W. of W. FL of Bowen St., 33.5 N of the N edge of drive entrance. to Service Center ± 65' S. of CL of S. Gay St. +/- 0.40 below ground.
G9*	5027.29	Quail Rd. & Airport, 21.8' S. of CL of Quail Rd., 112.5' S. of S.W. corner of brick house, 68.3' NE of the NE corner of pump station and 225 E. of the CL of Airport Rd. (buried in landscaping)
LH2*	4957.93	Box culvert @ Main st. & Left hand Creek at N. end of E. headwall
J320	5030.89	Longmont Airport at ±724' N.W. of CL of the SE end of taxiway at and 155' N.E. of CL of runway in range box
H454	5029.49	E. side N. 87 <sup>th</sup> / (Airport rd) @ NE corner Left-hand creek bridge N. of Hwy. 119 in sidewalk 8' E. of F.L. (NGS cap)
M454	4970.20	@ Base of transmission pole on S side of Price Rd @ RR tracks. N of Nelson Rd.
N454	4958.36	@ base of transmission pole on S side of Price Rd. @ 125' W of Boston Ave.
T410*	5049.70	0.6 miles W. on Hwy 66 from junction of Hwy 287, 196'E of the S.E. corner of a metal building, 180' E. of the center of a private drive, 97' N. of the CL of the Hwy, 3' W. of a utility pole (rod in range box)
U410*	5090.10	1.45 miles W. of Hwy 287 on Hwy 66, 565' E. of the CL of N. 95 <sup>th</sup> , (Hover rd.) 93.2' N. of the CL of Hwy 66, and 5.6' E. of a utility pole. (rod in range box)
V410*	5109.02	2.05 miles W. of Hwy 287 on Hwy 66, 103' N. of the CL of Hwy 66, 85' W. of the center of Anahawa St. and 4' W. of a utility pole at a utility line crossing . (rod in range box)



W410*	5115.36	2.8 miles W. of Hwy 287 on Hwy 66, 0.25 miles W. of 87 <sup>th</sup> St.,(Airport rd.) 100' N. of the CL of Hwy 66, 67.6' E. of a utility pole, 62'N. Of the N. end of a concrete culvert, and 19.7'E. of the center of a field entrance Rd. (rod in range box)
X410	5148.22	½ mile E. of N. 75 <sup>th</sup> & 97' N. of CL of Hwy 66 & 1' S. of fence & 5.2' W. of PP. (rod in range box) ( geo cache location)
<b>BENCHMARK NUMBER</b>	<b>NAVD 1988 DATUM</b>	<b>LOCATION AND DESCRIPTION</b>
A411	5309.27	North side Hwy. 66, 8.7 mi. W. of Hwy. 287, 0.8 mi. W. of Hwy. 36, cap set in face of 75'x 300' bedrock Hwy cut @ +/- 5.0' above ground 41.1' N.W of cap set in top of North half. headwall of bridge over supply ditch.

- 1) All benchmarks are brass caps set in concrete unless otherwise stated.
- 2) \*Indicates a primary benchmark.

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